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APPLICATION NO.	FILING DATE	EIDCT MANEE DE COMME		
00/020 220	08/24/2001	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,330		Alfred Kersch	L&L-I0078	3872
24131 75	590 11/26/2004			
LERNER AND GREENBERG, PA			EXAMINER	
POBOX 2480			FULLER, ERIC B	
HOLLYWOOD	OLLYWOOD, FL 33022-2480		PAPER NUMBER	
			1762	TATER NUMBER
			1702	
			DATE MAILED: 11/26/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Survey	09/939,330	KERSCH ET AL.
Office Action Summary	Examiner	Art Unit
	Eric B Fuller	1762
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet wi	th the correspondence address
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a re eply within the statutory minimum of thirty d will apply and will expire SIX (6) MONT	eply be timely filed (30) days will be considered timely. THS from the mailing date of this communication.
Status	·	
1) Responsive to communication(s) filed on 23 S	Contamb : 0004	
	is action is non-final.	
3) Since this application is in condition for allowed closed in accordance with the practice under	Experts Over 1 1995 0	rs, prosecution as to the merits is
	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.		
4a) Of the above claim(s) is/are withdra	wn from consideration.	
5) Claim(s) is/are allowed.		,
6) Claim(s) <u>1-9</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/o	or election requirement.	
Application Papers		
9) The specification is objected to by the Examine		
10) The drawing(s) filed on is/ore: a)	er.	
10) The drawing(s) filed on is/are: a) accomplicant may not request that only about a to the	epted or b) objected to by	the Examiner.
Applicant may not request that any objection to the	drawing(s) be held in abeyance	. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct	on is required if the drawing(s)	is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Ex	aminer. Note the attached C	office Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign	priority under 35 H S C & 44	10(a) (d) (b)
a)⊠ All b)□ Some * c)□ None of:	priority under 00 0.0.0. 9 (19(a)-(d) or (f).
1. Certified copies of the priority documents	s have been received	
2. Certified copies of the priority documents	s have been received in Appl	iontine N.
3. Copies of the certified copies of the priori	ity documents have boon rec	object in this Notice to a
application from the International Bureau	(PCT Rule 17 2/a))	erved in this National Stage
* See the attached detailed Office action for a list of	of the certified copies not rec	oived.
	ware contined copies not lec	eiveu.
tachment(s)		
Notice of References Cited (PTO-892)	4) 🔲 Interview Sumn	nary (PTO-413)
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Ma	nil Date.
	ৃ) 🔛 Notice of Inform	nal Patent Application (PTO-152)
Paper No(s)/Mail Date	6) 🔲 Other:	,

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 19, 2004 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vaartstra (US 6,159,855) in view of Ahmed (US 4,468,283).

Vaartstra teaches a process of forming ferroelectric or perovskite films by chemical vapor deposition (column 7, lines 45-55). Water vapor may be used as a reactant gas (column 11, lines 5-10), which reads on applicant's "auxiliary gas". Water has a dipole moment and, according to the applicant's specification on page 10, lines

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15-20, has the property required by claim 1. The water vapor is fed by an external supply source that is a storage container (figure 1, ref. 19). The carrier gases, precursor gases, and water vapor are all fed into the reaction chamber through a showerhead (column 12, lines 20-26). The substrate is mounted opposite the showerhead and a pump is used to exhaust the reaction chamber (figure 1, ref. 42, 46). Vaartstra fails to explicitly teach providing a connecting line directly connecting the further gas outlet opening to one of the inlet openings, with a valve in the connecting line for controlling gas flow.

However, Ahmed teaches an upgrade for CVD systems (abstract) that has such a configuration (figure 1, column 7, lines 20-30). The benefit of using such a configuration is so that the process achieves more uniform reaction rates (column 5, lines 30-50). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use the upgrade taught by Ahmen, and the corresponding configuration, in the process taught by Vaartstra. By doing so, one would reap the benefits of uniform reaction rates.

Response to Arguments

Applicant argues that Tanaka teaches that different reactor chambers are connected, thus fails to teach connecting the inlet and outlet openings of one and the same reactor. This is has been found convincing. The rejections of the previous office action have been withdrawn. Applicant's arguments are moot in view of the new grounds of rejection.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric B Fuller whose telephone number is (571) 272-1420. The examiner can normally be reached on Mondays through Thursdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive P Beck, can be reached on (571) 272-1415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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